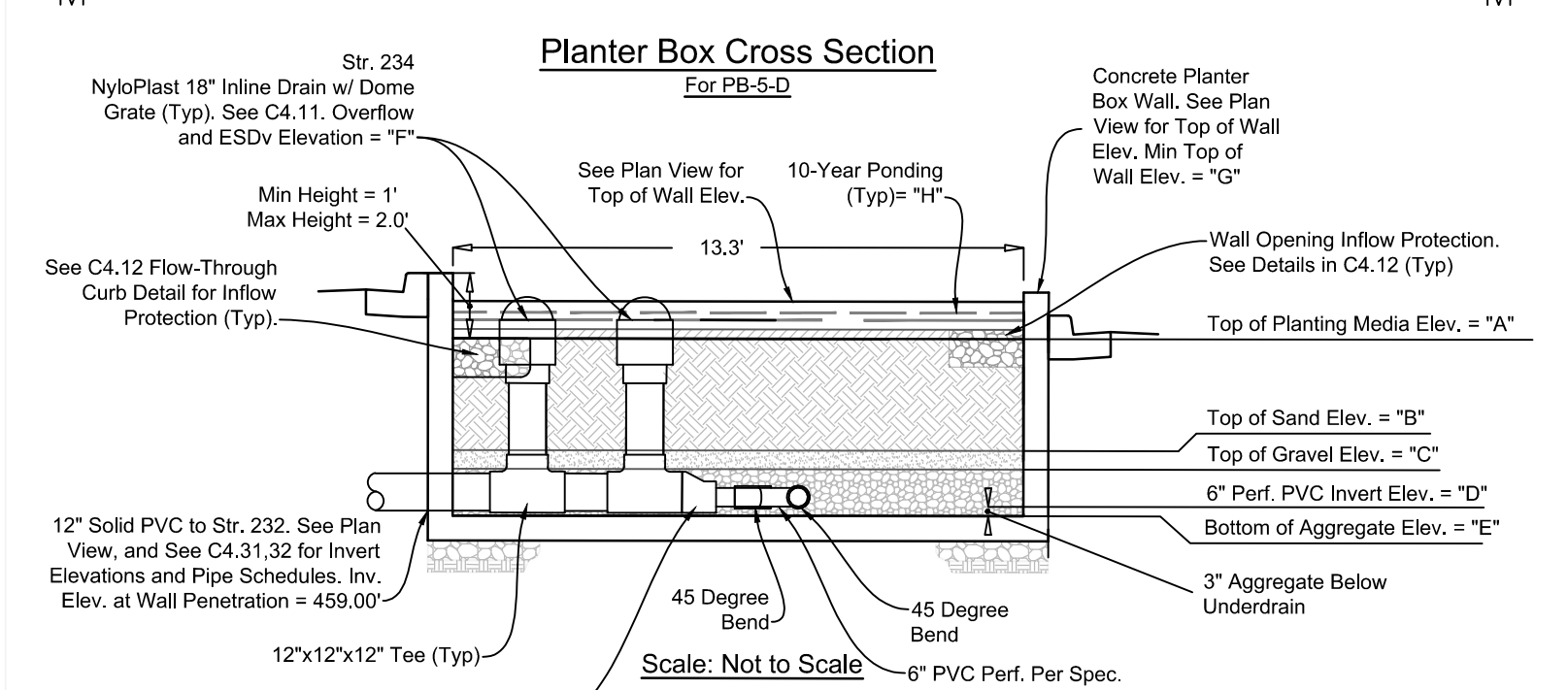
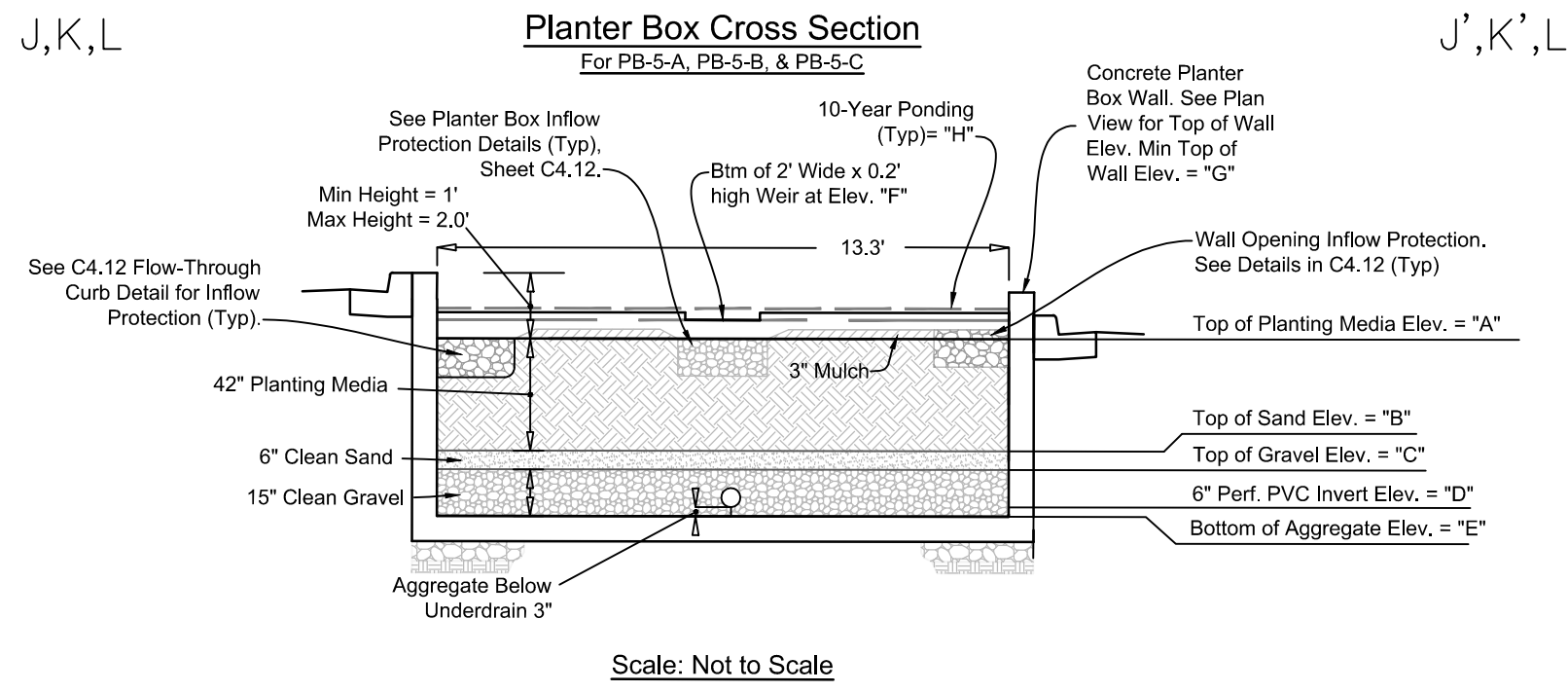
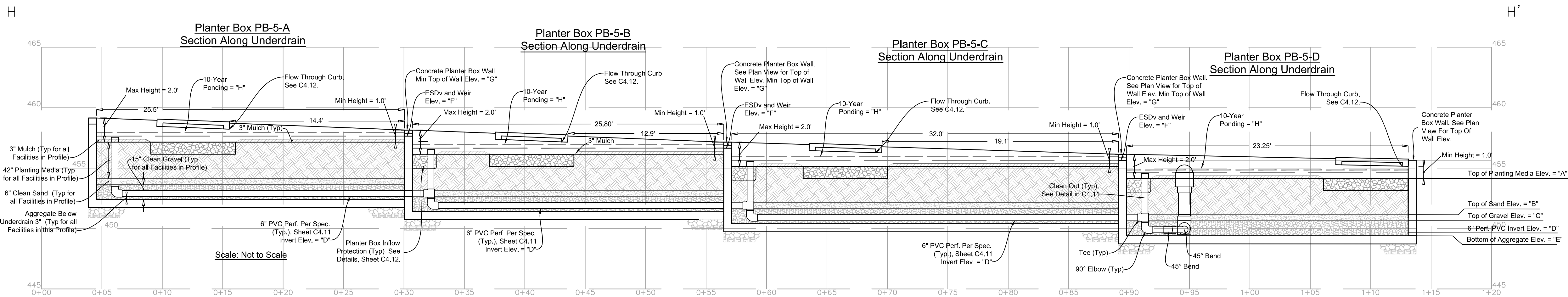


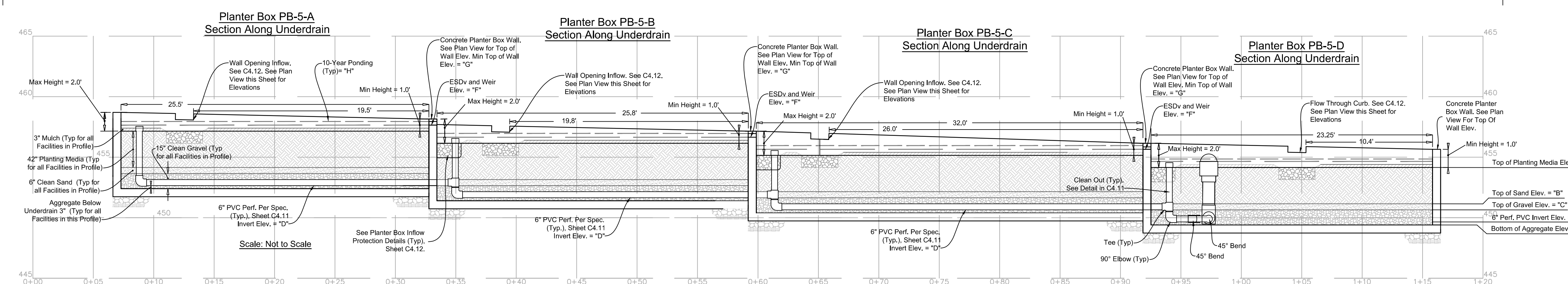
Micro-Bioretention Planter Box Detailed Plan View PB-5-A,B,C,D



PB-5 SOUTH SECTION ALONG UNDERDRAINS



PB-5 NORTH SECTION ALONG UNDERDRAINS



Scale: Not to Scale

Micro-Bioretention Planter Box Facility MB-5-A,B,C, and D Design Information				
ID	Descriptor	Facility PB-5-A	Facility PB-5-B	Facility PB-5-C
Elev. "A"	Top of Planting Media	Design 467.15	Design 466.15	Design 465.15
Elev. "B"	Top of Sand	Design 463.65	Design 462.65	Design 461.65
Elev. "C"	Top of Gravel	Design 463.15	Design 462.15	Design 461.15
Elev. "D"	Bottom of Aggregate	Design 462.15	Design 461.15	Design 459.15
Elev. "E"	Bottom of Aggregate	Design 461.9	Design 460.9	Design 459.9
Elev. "F"	Overflow & ESDv Ponding Elev.	Design 467.65	Design 466.65	Design 465.65
Elev. "H"	10-Year Ponding Elev.	Design 467.95	Design 466.96	Design 465.97
Elev. "G"	Min. Top of Wall	Design 468.15	Design 467.15	Design 466.15
Facility Surface Area		Design 339.01	Design 342.84	Design 426.26
ESDv Provided		Design 711.92	Design 895.15	Design 632.10
Total Perforated Underdrain Length for PB-		92'		
Receiving Storm Drain Str.		234	234	234
*See Detailed Plan Views & Details for More Information.				

NOTE: Contractor shall confirm that dimensions, inflow locations, roof leader locations and other design elements of ALL ESD/SWM facilities as shown on these plans are coordinated with architectural and other trade plans. If any discrepancies are found, the Contractor is to contact the design engineer and architect prior to proceeding with construction. Site utilities are to be constructed in locations shown. If a utility location is changed and is found to conflict with a ESD/SWM facility, the facility must be reviewed and approved by the County, Design Engineer, Architect and appropriate trade prior to utility construction. Modifications to the Stormwater Management Plan will require a formal revision to the plan with the Montgomery County Department of Permitting Services, which will include applicable plan revision fees, and may not be acceptable.

CONSTRUCTION INSPECTION CHECK-OFF LIST FOR MICRO BIORETENTION FACILITY				
STAGE	MCDCPS INSPECTOR	OWNER/DEVELOPER	MCDCPS INSPECTOR	OWNER/DEVELOPER
1. Excavation for Micro Bioretention facility conforms to approved plans				
2. Placement of stone backfill and underdrain system conforms to approved plans				
3. Placement of filter media conforms to approved plans				
4. Connecting pipes and/or grading conveyance to the facility constructed per the approved plans				
5. Final grading and permanent stabilization conforms to approved plans				

Design Engineer SWM Construction Observation Requirements

The contractor is required to contact the Design Engineer at (301) 670-0840 with at least 24 hours advance notice at the following stages of Micro-Bioretention (MB), Micro-Bioretention w/ Impervious Liner (MB(L)), Planter Box Micro-Bioretention (PB), and/or Bio-Swale (BS) facility construction:

- Facility excavation: MB, MB(L), BS
- Concrete slab and wall form work: PB
- Installation of impervious liner: MB(L)
- Aggregate installation
- Underdrain layout and installation
- Sand layer installation
- Planting media installation
- SWM plantings and landscaping installation

Failure to notify the Design Engineer may necessitate SWM facility reconstruction.

BIORETENTION FACILITY MAINTENANCE SCHEDULE	
TASK	RECOMMENDED INTERVAL
INSPECT AND REPAIR SOIL EROSION	MONTHLY AND AFTER HEAVY RAINS
REMOVE LEAVES, DEBRIS, TRASH, SLT, ETC. & REPLACE MULCH LAYER	MINIMUM 2 TIMES PER YEAR (SPRING AND FALL)
INSPECT PLANTS FOR DAMAGE & DISEASE/PEST PROBLEMS PRUNE AND TREAT PLANTS AS NEEDED & AS APPROPRIATE PER SPEC'S. REMOVE AND REPLACE DEAD AND DISEASED PLANTS CONSIDERED BEYOND TREATMENT	MINIMUM 2 TIMES PER YEAR (3/15-4/30 and 10/1-11/30)

SWM PB-5-A,B,C,D PLAN VIEW AND DETAILS

ARCHITECT

SEI SHOLEN + KMR
KILKOVITCH ARCHITECTS

9211 CORPORATE BLVD, SUITE 340
ROCKVILLE, MD 20860
301-770-8177(P) 301-330-3224(F)

CIVIL

MACRIS, HENDRICKS & GLASCOCK

9220 WIGHTMAN RD, SUITE 120
MONTGOMERY VILLAGE, MD 20886
301-670-0840(P)

STRUCTURAL COMPREHENSIVE SOLUTIONS

9220 WIGHTMAN RD, SUITE 120
MONTGOMERY VILLAGE, MD 20886
240-200-5599(P)

MECH/ELECTRICAL/PLUMBING

JAMES POSEY ASSOCIATES

11155 RED RUN BLVD, SUITE 310
BALTIMORE, MD 21117
410-265-6100(P)

KITCHEN

NYIKOS-GARCIA FOODSERVICE DESIGN, INC

18219-A FLOWER HILL WAY
GAITHERSBURG, MD 20879
240-683-9530

SUSTAINABILITY

DOO CONSULTING, LLC

531 PICCADILLY ROAD
BALTIMORE, MD 21204
443-653-3792 (P)

CONSTRUCTION MANAGER

SKANSKA USA BUILDING INC.

700 KING FARM BLVD, SUITE 200
ROCKVILLE, MD 20860
301-795-3100 (P)

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the laws of the State of Maryland, License No.: 16905, Expiration Date: 4.21.2022.

PROFESSIONAL SEAL:

PRINTS ISSUED		
NO.	DESCRIPTION:	DATE:
1	BID DOCUMENTS	10/21/2020
2	ADDENDUM #2	11/25/2020
3	ADDENDUM #3	12/01/2020
4	ADDENDUM #4	12/03/2020

TAX MAP FTR2 WSSC 22ANW9B
PLAT 12762

9TH ELECTION DISTRICT
CITY OF GAITHERSBURG, MD

GAITHERSBURG CLUSTER ELEMENTARY SCHOOL #8

MONTGOMERY COUNTY PUBLIC SCHOOLS

SHEET TITLE:
SOIL EROSION, SEDIMENT CONTROL AND STORMWATER MANAGEMENT PLAN

PROJECT NO: 19007

DATE: 12/04/20

SCALE: 1"=30'

SHEET NO: **C4.06**

Sheet 12 of 28